DOCKER COMPOSE

Docker Compose is a tool that allows you to define and manage multi-container Docker applications. It simplifies the process of running multiple containers, their configurations, and their interdependencies. Compose uses a YAML file to define the services, networks, and volumes required for your application.

- Docker Compose is a tool which is used to manage multi container-based applications.
- Using Docker Compose we can easily setup & deploy multi container-based applications.
- We will give containers information to Docker Compose using YML file (docker-compose.yml)
- Docker Compose YML should have all the information related to containers creation.

DOCKER COMPOSE COMMANDS:

sudo apt install docker-compose -y

docker-compose up -d

docker exec -it akshitha-db-1 /bin/bash

sudo nano docker-compose.yaml

docker-compose.yaml

version: '3'

services:

 web:

  image: nginx:latest

  ports:

   - 80:80

 db:

  image: mysql:latest

  environment:

   - MYSQL_ROOT_PASSWORD=secret

MINIKUBE

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

kubectl version –client

curl -LO https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64

sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64

minikube start

minikube status